

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## In Re Application of

Tao Tao, Mario H. Skiadopoulos, Peter L. Collins, Brian R. Murphy

Serial No. 09/459,062

Group Art Unit: 1648

Filing Date: December 10, 1999

Examiner: S. Brown

For: CONSTRUCTION AND USE OF RECOMBINANT PARAINFLUENZA  
VIRUSES EXPRESSING A CHIMERIC GLYCOPROTEINDATE OF DEPOSIT: 4/12/2002  
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The undersigned hereby authorizes Wayne Croteau, Christina Mraz and  
Doreen Watson to inspect and make copies of the file history of the above-identified  
application.

Date: 4/12/2002Jeffrey J. King  
Registration No. 38,515Woodcock Washburn LLP  
One Liberty Place - 46th Floor  
Philadelphia PA 19103  
Telephone: (215) 568-3100  
Facsimile: (215) 568-3439

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Tao Tao et al.

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TYPE NAME: Jeffrey J. King  
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ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION  
AND  
REVOCATION AND POWER OF ATTORNEY

Dear Sir:

The undersigned is empowered to act on behalf of the assignee below (the "Assignee"). The original assignment was recorded on April 5, 2000 at Reel 010730, Frames 0728-0731. A copy of that submission is attached. This Assignment represents the entire chain of title of this invention from the Inventors Tao Tao, Mario H. Skiadopoulos, Peter L. Collins, and Brian R. Murphy to the Assignee.

I declare that all statements made herein are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revokes any previous powers of attorney in the subject application, and hereby appoints the below listed registrants of National Institutes of Health Offices of Technology Transfer, 6011 Executive Boulevard, Suite 325, Rockville, MD 20852, telephone (301) 496-7056, as its agents and attorneys with full power of substitution and revocation to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor(s) and his/her/their attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

<u>James C. Haight</u>	Reg. No. <u>25,588</u>
<u>David R. Sadowski</u>	Reg. No. <u>32,808</u>
<u>Jack Spiegel</u>	Reg. No. <u>34,477</u>
<u>Susan S. Rucker</u>	Reg. No. <u>35,762</u>
<u>Stephen Finley</u>	Reg. No. <u>36,357</u>
<u>Steven Ferguson</u>	Reg. No. <u>38,448</u> ✓
<u>John Peter Kim</u>	Reg. No. <u>38,514</u>
<u>Norbert Pontzer</u>	Reg. No. <u>40,777</u>
<u>Richard U. Rodriguez</u>	Reg. No. <u>45,980</u>
<u>Marlene Shinn</u>	Reg. No. <u>46,005</u>
<u>Dale Berkley</u>	Reg. No. <u>42,319</u> ✓
<u>Catherine M. Joyce</u>	Reg. No. <u>40,668</u>

The National Institutes of Health Office of Technology Transfer has been duly delegated responsibility for such patent matters under the authority of the Department of Health and Human Services Secretary Louis W. Sullivan's May 21, 1991, memorandum appearing in the Friday, June 7, 1991, Federal Register Notices at Vol. 56, No. 110, pp. 26418-26419. The undersigned is authorized to exercise such authority in this matter.

Done on this 11 day of MARCH, 2002, at Rockville, Maryland.

UNITED STATES DEPARTMENT OF  
HEALTH AND HUMAN SERVICES

By: Jack Spiegel

Printed Name: JACK SPIEGEL

Registration No.: 34,477

for: Dr. Jack Spiegel, Director, DTDT  
Office of Technology Transfer  
National Institutes of Health  
6011 Executive Boulevard, Suite 325  
Rockville, MD 20852  
Telephone (301) 496-7056  
Facsimile (301) 402-0220

DHHS CASE NO. E-029-00/00



017634000340US  
UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
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Washington, D.C. 20231  
JJKing



\*101338489A\*

JUNE 26, 2000

PTAS  
TOWNSEND AND TOWNSEND AND CREW LLP  
JEFFREY J. KING  
TWO EMBARCADERO CENTER, 8TH FLOOR  
SAN FRANCISCO, CA 94111-3834

UNITED STATES PATENT AND TRADEMARK OFFICE  
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/05/2000

REEL/FRAME: 010730/0728  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

TAO, TAO

DOC DATE: 02/25/2000

ASSIGNOR:

SKIADOPOULOS, MARIO H.

DOC DATE: 02/25/2000

ASSIGNOR:

COLLINS, PETER L.

DOC DATE: 02/25/2000

ASSIGNOR:

MURPHY, BRIAN R.

DOC DATE: 02/25/2000

ASSIGNEE:

HEALTH AND HUMAN SERVICES,  
GOVERNMENT OF THE UNITED STATES  
OF AMERICA, AS REPRESENTED BY  
THE

6011 EXECUTIVE BOULEVARD  
SUITE 325  
ROCKVILLE, MARYLAND 20852

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TOWNSEND & CREW LLP

010730/0728 PAGE 2

SERIAL NUMBER: 09459062  
PATENT NUMBER:

FILING DATE: 12/10/1999  
ISSUE DATE:

PEARLENE FOSTER, PARALEGAL  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

04-28-2000

Attorney Docket No. 17634-000340US  
DHHS Ref No. E-029-00/0FORM PTO-1595  
(Rev. 6-93)

101338489

U.S. Department of Commerce  
Patent and Trademark Office

To the Honorable Asst. Commissioner for Patents. Please record the attached original documents or copy thereof

## 1. Name of conveying party(ies):

TAO TAO  
MARIO H. SKIADOPOULOS  
PETER L. COLLINS  
BRIAN R. MURPHYAdditional name(s) of conveying parties attached? ☐ Yes  
☒ No.

## 2. Name and address of receiving party(ies)

Name: THE GOVERNMENT OF THE UNITED STATES OF  
AMERICA, as represented by THE DEPARTMENT OF HEALTH  
AND HUMAN SERVICES

Internal Address:

Street Address: 6011 Executive Boulevard, Suite 325

City: Rockville State: Maryland ZIP: 20852

Additional names and addresses attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

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- ☐
- Security Agreement
- ☐
- Change of Name
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- ☐
- Other:

Execution Date: February 25, 2000

## 4. Application Number(s) or Patent Numbers.

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No(s): 09/459,062

B. Patent No(s):

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Jeffrey J. King  
TOWNSEND AND TOWNSEND AND CREW LLP  
Two Embarcadero Center, 8<sup>th</sup> Floor  
San Francisco, California 94111-3834  
(206) 467-9600

## 6. Total number of applications and patents involved 1

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☐ Enclosed ☒ Charge Fees to Deposit Account☒ Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account.

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## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true of copy of the original document.*Jeffrey J. King  
Name of Person Signing  
Atty Reg. No. 38,515

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Attorney Docket No. 17634-000340US  
DHHS Ref No. E-029-00/0FORM PTO-1595  
(Rev. 6-93)Recordation Form Cover Sheet  
(Patents Only)U.S. Department of Commerce  
Patent and Trademark Office

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PETER L. COLLINS  
BRIAN R. MURPHYAdditional name(s) of conveying parties attached? ☐ Yes  
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Name: THE GOVERNMENT OF THE UNITED STATES OF  
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Internal Address:

Street Address: 6011 Executive Boulevard, Suite 325

City: Rockville State: Maryland ZIP: 20852

Additional names and addresses attached? ☐ Yes ☒ No

3. Nature of conveyance:

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- 
- ☐
- Security Agreement
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- Change of Name
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- ☐
- Other:

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B. Patent No(s):

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence  
concerning document should be mailed:Name: Jeffrey J. King  
TOWNSEND AND TOWNSEND AND CREW LLP  
Two Embarcadero Center, 8<sup>th</sup> Floor  
San Francisco, California 94111-3834  
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Name of Person Signing

Signature

3/30/00  
Date

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ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Tao Tao, of 10684 Weymouth Street, #104, Bethesda, MD 20814, Mario H. Skiadopoulos, of 8303 Aqueduct Road, Potomac, MD 20854, Peter L. Collins, of 12304 Village Square, #401, Rockville, MD 20852, and Brian R. Murphy, of 5410 Tuscarawas Road, Bethesda, MD 20816, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: CONSTRUCTION AND USE OF  
RECOMBINANT PARAINFLUENZA  
VIRUSES EXPRESSING A CHIMERIC  
GLYCOPROTEIN

Filing Date: December 10, 1999

Application No.: 09/459,062 ; and

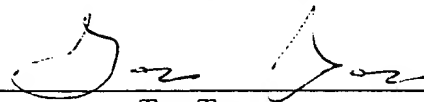
WHEREAS, THE GOVERNMENT OF THE UNITED STATES OF AMERICA as represented by the Department of Health and Human Services, of 6011 Executive Boulevard, Suite 325, Rockville, Maryland, 20852, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

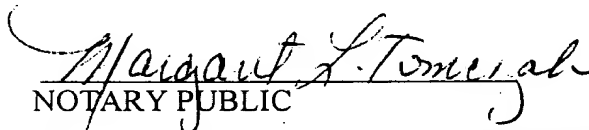
Dated: 2/25/2000

  
Tao Tao

STATE OF MARYLAND                    )  
  )  
COUNTY OF MONTGOMERY            )       ss.

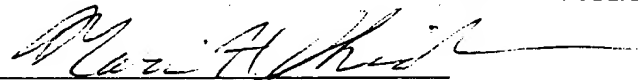
On 2/25/00, before me, ~~Eric Eric~~ Margaret Tomczak  
(insert name of notary public), personally appeared TAO TAO, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

  
NOTARY PUBLIC

My Commission Expires: \_\_\_\_\_  
MY COMMISSION EXPIRES  
MARCH 1, 2003  
MARGARET L. TOMCZAK  
NOTARY PUBLIC

Dated: 02/25/00

  
Mario H. Skiadopoulos

STATE OF MARYLAND                    )  
  )  
COUNTY OF MONTGOMERY            )       ss.

On 2/25/00, before me, Margaret Tomczak  
(insert name of notary public), personally appeared MARIO H. SKIADOPOULOS, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

  
NOTARY PUBLIC

My Commission Expires: \_\_\_\_\_

MY COMMISSION EXPIRES  
MARCH 1, 2003  
MARGARET L. TOMCZAK  
NOTARY PUBLIC

Dated: 2/25/00

Peter L. Collins

Peter L. Collins

STATE OF MARYLAND )

COUNTY OF MONTGOMERY )

ss.

On 2/25/00, before me, Margaret L. Tomczak  
(insert name of notary public), personally appeared PETER L. COLLINS, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Margaret L. Tomczak  
NOTARY PUBLIC

My Commission Expires: \_\_\_\_\_

MY COMMISSION EXPIRES  
MARCH 1, 2003  
MARGARET L. TOMCZAK  
NOTARY PUBLIC

Dated: 2/25/00

Brian R. Murphy

Brian R. Murphy

STATE OF MARYLAND )

COUNTY OF MONTGOMERY )

ss.

On 2/25/00, before me, Margaret L. Tomczak  
(insert name of notary public), personally appeared BRIAN R. MURPHY, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Margaret L. Tomczak  
NOTARY PUBLIC

My Commission Expires: \_\_\_\_\_

SE 5002456 v1

MY COMMISSION EXPIRES  
MARCH 1, 2003  
MARGARET L. TOMCZAK  
NOTARY PUBLIC

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Serial No.: 09/459,062

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VIRUSES EXPRESSING A CHIMERIC GLYCOPROTEIN

Group Art Unit: 1648

Examiner: S. Brown

Commissioner for Patents  
Washington, DC 20231

ASSOCIATE POWER OF ATTORNEY

Sir:

The undersigned attorney of record, pursuant to the provisions of 37 C.F.R. §§ 1.33 and 1.34, and M.P.E.P. §402.02, hereby appoints the registrants of Woodcock Washburn LLP, One Liberty Place, 46<sup>th</sup> Floor, Philadelphia, Pennsylvania 19103, telephone (215) 568-3100, as its agents and attorneys to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith.

Done on this 11 day of MARCH, 2002, at Rockville, Maryland.

UNITED STATES DEPARTMENT OF  
HEALTH AND HUMAN SERVICES

By: Jack Spiegel

Printed Name: Jack Spiegel

Registration No.: 34,477

for: Dr. Jack Spiegel, Director, DTD  
Office of Technology Transfer  
National Institutes of Health  
6011 Executive Boulevard, Suite 325  
Rockville, MD 20852  
Telephone (301) 496-7056  
Facsimile (301) 402-0220

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54733-1

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